



TE UNITED STATES PATENT AND TRADEMARK OFFICE

In re A	pplicatio	on of:)
Ronald	D. BLU	JM et al.) Group Art Unit: 2873
Applica	ation Nu	mber: 10/637,210) Examiner: Unassigned
Filed:	August 8	3, 2003))
Title:		TRO-ACTIVE CONTACT SYSTEM)))
			ATION DISCLOSURE STATEMENT IITTAL LETTER
P.O. Bo	ox 1450	for Patents 22313-1450	
Sir:			
	Enclose	ed is an Information Disclosure	Statement, accompanying form PTO-1449, and copies of
referen	ces in co	onnection with the above-identific	ed patent application.
	[X]	No additional fee for submission	n of an IDS is required.
	[]	The fee of \$180.00 as set forth i	n 37 C.F.R. §1.17(p) is also enclosed.
	[]	A certification under 37 C.F.R.	§1.97(e) is also enclosed.
	[]	A certification under 37 C.F.R.	§1.97(e), a petition requesting consideration
		of the information disclosure sta	atement, and the petition fee of \$130.00
		as set forth in 37 C.F.R. §1.17(i) are also enclosed.
	[]	Charge \$ to Deposit Ad	ecount No. 08-3436 for the fee due.
	[X]	A Mail Certificate Under 37 C.I	F.R. §1.8.
	[X]	A self-addressed stamped return	postcard.

The Commissioner is hereby authorized to charge any appropriate fees that may be required by this paper to Deposit Account No. 08-3436.

Date: February 11, 2004

Respectfully submitted,

HUNTON & WILLIAMS Riverfront Plaza, East Tower 951 East Byrd Street

Richmond, VA 23219
Tel: (804) 788-8516

Fax: (804) 343-4666

Shawn K. Lepp

Registration No. 50,311

Attorney Docket No. <u>63049.000070</u> Customer No. <u>27682</u>

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IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re US Patent Application of:)	
Ronald D. Blum et al.)	
Application No.: 10/637,210)	Group Art Unit: 2873
Filing Date: August 8, 2003)	Examiner: Unassigned
Title: ELECTRO-ACTIVE CONTACT LENS SYSTEM	.)	

INFORMATION DISCLOSURE STATEMENT

Commissioner for Patents P.O. Box 1450 Alexandria, VA 22313-1450

Sir:

Attached hereto is a duly completed Form PTO-1449 listing references which may be considered either material or helpful to the examination of the above-identified patent application. Pages 1-7 of Form PTO-1449 list references which were submitted in the priority applications and consequently duplicate copies of these references are not attached hereto. Copies of the references found on pages 8-10 and not previously of record are enclosed for the Examiner's review. It is requested that all these references be considered by the Examiner and officially made of record.

By:

Respectfully submitted,

Shawn K. Leppo

Registration No. 50,311

Hunton & Williams

Riverfront Plaza, East Tower 951 East Byrd Street Richmond, VA 23219-4074 (804) 788-8516 telephone number (804) 343-4666 facsimile number

Date: February 11, 2004



HE UNITED STATES PATENT AND TRADEMARK OFFICE

In re U.S. Patent Application of:

Ronald D. BLUM et al.

Serial No.: 10/637,210

Filing Date: August 8, 2003

Title: ELECTRO-ACTIVE CONTACT

LENS SYSTEM

Group Art Unit: 28

2873

Examiner: Unassigned

CERTIFICATE OF MAILING UNDER 37 C.F.R. 1.8

I hereby certify that this correspondence is being deposited with the United States

Postal Service with sufficient postage as first class mail in an envelope addressed to:

Commissioner for Patents P.O. Box 1450 Alexandria, VA 22313-1450

on: February 11, 2004

Date

Gail W. O'Brien

Documents being submitted with this Certification of Mailing under 1.8 are:

- Information Disclosure Statement Transmittal Letter
- Information Disclosure Statement, PTO-1449 and applicable references
- Self-Addressed Stamped Return Postcard

Hunton & Williams

Riverfront Plaza, East Tower 951 East Byrd Street Richmond, VA 23219-4074 (804) 788-8200 (Telephone) (804) 788-8218 (Facsimile)

Sheet <u>1</u> of 10

(Rev. 8-83)	RMA	U.S. Department Patent and Trade TION DISC TATEMEN	lemark Office	Atty. Docket No.: 63	3049.000070	Application No.: 10/637,210			
	(Use se	veral sheets if nece	essary)						
				Applicant: Ronald I	D. Blum et al.				
				Filing Date: August	18, 2003	Group: 287	3		
			U.S. PA	TENT DOCUMI	ENTS	<u> </u>	 		
Examiner Initial*		Document Number	Date	Name	Class	Subclass	Filing Date (if appropriate)		
	1	Re. 35,691	12/16/97	Theirl et al.					
	2	D 298,250	10/25/88	Kildall					
	3	D 342,063	12/7/93	Howitt et al.					
	4	D 350,342	9/6/94	Sack					
	5	2,437,642	3/9/48	Henroteau					
	6	2,576,581	11/27/51	Edwards					
	7	3,161,718	12/15/64	de Luca					
	8	3,245,315	4/12/66	Marks et al.					
	9	3,614,215	10/19/71	Mackta					
	10	3,738,734	6/12/73	Tait et al.					
	11	4,174,156	11/13/79	Glorieux					
	12	4,181,408	1/1/80	Senders					
	13	4,190,330	2/26/80	Berreman					
Examiner:	<u> </u>	<u> </u>		Date Considered:	•				
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Form PCC	-THA91	S. Departmen	nt of Commerce	Atty. Docket No.: 63	3049.000070	Application	Sheet 2 of 10 No.: 10/637,210	
(Rev. 8-83)		Patent and Trade						
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				Applicant: Ronald I	D. Blum et al.			
				Filing Date: August	, 2003	Group: 287	3	
			U.S. PA	ATENT DOCUME	ENTS			
Examiner Initial*		Document Number	Date	Name	Class	Subclass	Filing Date (if appropriate)	
	14	4,264,154	4/28/81	Peterson				
	15	4,279,474	7/21/81	Belgorod				
	16	4,300,818	11/17/81	Schachar				
	17	4,373,218	2/15/83	Schachar	chachar			
•	18	4,395,736	7/26/83	Fraleux				
	19	4,418,990	12/6/83	Gerber				
****	20	4,457,585	7/3/84	DuCorday				
·= ··	21	4,466,706	8/21/84	Lamothe, II				
	22	4,529,268	7/16/85	Brown				
	23	4,564,267	1/14/86	Nishimoto				
	24	4,572,616	2/25/86	Kowel et al.				
, <u>, , , , , , , , , , , , , , , , , , </u>	25	4,577,928	3/25/86	Brown				
	26	4,601,545	7/22/86	Kern				
	27	4,609,824	9/2/86	Munier et al.				
	28	4,712,870	12/15/87	Robinson et al.				
	29	4,756,605	7/12/88	Okada et al.				
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17							Sheet 3 of 10
		Patent and Trad		Atty. Docket No.: 630	049.000070	Application	No.: 10/637,210
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'	(USE SE	veral sheets if nece	ssai y)	Applicant: Ronald D.	. Blum et al.	<u></u>	
				Filing Date: August 8	8, 2003	Group: 287	3
			U.S. PA	TENT DOCUME	NTS	<u></u>	
Examiner Initial*		Document Number	Date	Name	Class	Subclass	Filing Date (if appropriate)
	30	4,772,094	9/20/88	Sheiman			
	31	4,795,248	1/3/89	Okada et al.			
	32	4,818,095	4/4/89	Takeuchi			
	33	4,836,652	6/6/89	Oishi et al.			
	34	4,880,300	11/14/89	Payner et al.	<u> </u>		
	35	4,904,063	2/27/90	Okada et al.			
	36	4,907,860	3/13/90	Noble			
	37	4,919,520	4/24/90	Okada et al.			
	38	4,927,241	5/22/90	Kuijk			
	39	4,929,865	5/29/90	Blum			
	40	4,930,884	6/5/90	Tichenor et al.			
 	41	4,945,242	7/31/90	Berger et al.			
	42	4,952,788	8/28/90	Berger et al.			
	43	4,958,907	9/25/90	Davis			
Examiner:	 		<u></u>	Date Considered:		<u> </u>	
*EXAMIN	VER: I	nitial if citation	considered, whe	ther or not citation is in	conformanc	e with MPEP	609; Draw line
through cit applicant.	tation i	f not in conform	ance and not co	nsidered. Include copy	of this form	with next cor	nmunication to

Sheet 4 of 10

(Rev. 8-83)	RMA	Patent and Trad	CLOSURE	Atty. Docket No.: 6	3049.000070	Application	No.: 10/637,210		
	Use sev	veral sheets if nece	essary)	Applicant: Ronald	Applicant: Ronald D. Blum et al.				
				Filing Date: August	t 8, 2003	Group: 287	73		
			U.S. PA	TENT DOCUM	ENTS	L			
Examiner Initial*		Document Number	Date	Name	Class	Subclass	Filing Date (if appropriate)		
	44	4,961,639	10/9/90	Lazarus					
	45	4,968,127	11/6/90	Russell et al.					
	46	4,981,342	1/1/91	Fiala					
	47	4,991,951	2/12/91	Mizuno et al.					
	48	5,015,086	5/14/91	Okaue et al.					
	49	5,030,882	7/9/91	Solero					
	50	5,066,301	11/19/91	Wiley					
	51	5,073,021	12/17/91	Marron					
	52	5,076,665	12/31/91	Petersen	-				
	53	5,091,801	2/25/92	Ebstein					
	54	5,108,169	4/28/92	Mandell			-		
	55	5,130,856	7/14/92	Tichenor et al.					
	56	5,142,411	8/25/92	Fiala					
	57	5,171,266	12/15/92	Wiley et al.					
	58	5,182,585	1/26/93	Stoner					
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				Filing Date: Augus	st 8, 2003	Group: 287	73			
			U.S. PA	TENT DOCUM	ENTS	•				
Examiner Initial*		Document Number	Date	Name	Class	Subclass	Filing Date (if appropriate)			
	59	5,184,156	2/2/93	Black et al.						
	60	5,200,859	4/6/93	Payner et al.						
	61	5,208,688	5/4/93	Fergason et al.			-			
	62	5,229,885	7/20/93	Quaglia						
	63	5,239,412	8/24/93	Naka et al.						
	64	5,306,926	4/26/94	Yonemoto						
	65	5,324,930	6/28/94	Jech, Jr.						
	66	5,352,886	10/4/94	Kane						
	67	5,359,444	10/25/94	Piosenka et al.						
	68	5,375,006	12/20/94	Haas						
	69	5,382,986	1/17/95	Black et al.						
	70	5,440,357	8/8/95	Quaglia	-					
	71	5,443,506	8/22/95	Gurabet						
	72	5,451,766	9/19/95	Van Berkel						
	73	5,488,439	1/30/96	Weltmann						
Examiner:	•			Date Considered:						

*EXAMINER: Initial if citation considered, whether or not citation is in conformance with MPEP 609; Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

Sheet <u>8</u> of <u>10</u>

Form PTO (Rev. 8-83)			nt of Commerce demark Office	Atty. Docket No.: 63	3049.000070	Application	No.: 10/637,210
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				Filing Date: August	8, 2003	Group: 287	3
			U.S. PA	TENT DOCUMI	ENTS		•
Examiner Initial*		Document Number	Date	Name	Class	Subclass	Filing Date (if appropriate)
	1	4,787,733	11/29/88	Silva			
	2	4,919,520	04/24/90	Okada et al.			
	3	5,050,981	09/24/91	Roffman	Roffman		
	4	5,114,628	05/19/92	Höfer et al.			
	5	5,682,223	10/28/97	Menezes et al.			
	6	5,712,721	01/27/98	Large			
	7	5,815,239	09/29/98	Chapman et al.			
	8	5,953,098	09/14/99	Lieberman et al.			
	9	6,086,204	07/11/00	Magnante			
	10	6,095,651	08/01/00	Williams et al.			
	11	6,145,987	11/14/00	Baude et al.			
	12	6,305,802	10/23/01	Roffman et al.			
	13	6,554,425	04/29/03	Roffman et al.			
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Sheet 6 of 10

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	_		Ţ	J.S. PATI	ENT DOCUME	ENTS		<u></u>	
Examiner Initial*		Document Number	Ē	Date	Name	Class	Subcl	ass	Filing Date (if appropriate)
	74	5,522,323	6/4/9	96 Ri	chard				
	75	5,608,567	3/4/9	97 G1	rupp				
	76	5,615,588	4/1/9	97 G	ottschald				-
	77	5,654,786	8/5/9	97 B	ylander				
	78	5,712,721	1/27	7/98 La	arge				
	79	5,728,155	3/17	7/98 A	nello et al.				
	80	5,739,959	4/14	1/98 Q	uaglia				
	81	5,777,719	7/7/	98 W	illiams et al.				
	82	5,815,233	9/29)/98 M	orokawa et al.				
	83	5,861,936	1/19	0/99 Sc	orenson				
	84	5,900,720	5/4/	99 K	allman et al.				
	85	5,949,521	9/7/	99 W	'illiams et al.		:		
	86	5,980,037	11/9	0/99 C	onway				
	87	6,325,508	12/4	I/01 D	ecreton et al.				
	•]	FOREIG	N PATENT DO	CUME	NTS		
		Document Numb	per	Date	Country		Class	Subclass	Yes No

*EXAMINER: Initial if citation considered, whether or not citation is in conformance with MPEP 609; Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

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(Rev. 8-83)	RMA S	Patent and Trader TATION DISCI TATEMENT everal sheets if necess	nark Office	Applicant: Ronald	Applicant: Ronald D. Blum et al.					
			,	Filing Date: Augus	t 8, 2003	Gr	oup: 2873			
			U.S. PAT	ENT DOCUM	ENTS	<u>I</u>				
Examiner Initial*		Document Number	Date	[^] Name	Class	Subc		Filing Date if appropriate)		
	14	6,609,794	08/26/03 L	evine						
	15	6,616,275	09/09/03 E	Dick et al.						
	16	6,616,279	09/09/03 E	Davis et al.						
	17	6,631,001	10/07/03 k	Kuiseko						
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		Document Numbe	r Date	Country		Class	Subclass	Translation Yes No		
	1	10366043	12/09/98	JP				Х		
	2	PCT/US91/04976	07/15/91	PCT						
	3	PCT/US97/21688	11/21/97	PCT		·				
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	3		233 104 A1	8/19/8		EPO			(Abstract)	
	4	0 2.	237 365 A1	9/16/8	37	EPO			(Abstract)	
	5	1-2	237610	9/22/8	39	Japan			(Abstract)	
	6	216	69417A	7/09/8	36	UK			Х	
	·7	217	70613A	8/6/86	,	UK			Х	
	8	55-	-076323	6/9/80	,	Japan			(Abstract)	
Examine Initial*	r		O'	THER I	DOCUMENTS (Including Author, Title, Date, Pertinent Pages, Etc.)					
		1	Optics, Vol. 23, No	o. 2, Januar	ry 15, 19					
		2	September 15, 1997	7, pp. 80-8	88	yestrain Epidemic"; Rober			·	
		3	E .			e-In Prism for Reducing E netric Association, April 19	-		art M. Lazarus,	
		4	Eyecare Business, (
		5	"Vision Through a Conference, Durha			atial Light Modulator"; La	arry N. Thibos	et al., Inpress, Ad	laptive Optics	
	-	6	"Requirements for	Segmented	d Spatial	Light Modulators for Dif		0 0		
-		7	"Use of Liquid-Cry	stal Adapt	tive-Opti	, Adaptive Optics Confere ics to Alter the Refractive				
		8	Optometry and Visi	ion Science	e, Vol. 7	4, No. 7, July 1997 ntury", <i>Indiana Journal of</i>				
		9	"Profile: Larry N.	·		Donald Miller, Ph.D.", Inc.				
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Sheet 10 of 10

(Rev. 8-83)		Patent and Trademark Off TION DISCLOS (Use several sheets if r	ice URE STA	Atty. Docket No.: 63049.000070			Application No.: 10/637,210		
		(OSC SCYCIAI SIRCUS II I	iccossury)		Applicant: Ronald D. Blum et al.				
					Filing Date: Group: 2873 August 8, 2003				
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		Document Number	Date	Country		Class	Subclas	Yes No	
			-	· ·					
Examiner Initial*		OTHE	R DOCUM	IENTS (Including	g Author,	Title, Date,	Pertinent Pa	ages, Etc.)	
	1	"Control Optimization Express, Vol. 4, No. 9	_		tal Lenso	es"; A. F. N	Naumov an	d G. D. Love, Optics	
	2	"Liquid Crystal Adapt Vol. 23, No. 13, July	tive Lenses with	h Modal Control";	; A. F. N	aumov and	M. Yu Lo	oktev, Optics Letters,	
	3	"Liquid Lenses Eye C Laser, November 200	ommercial Bre		net Artic	le under "C	optics.org"); from Opto &	

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